STATE OF SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

INITIAL APPLICATION TO CONSTRUCT AND OPERATE A SOLID WASTE DISPOSAL FACILITY

Return to: SD Department of Environment and Natural Resources

Waste Management Program 523 East Capitol - Joe Foss Building Pierre, South Dakota 57501-3182 Telephone: (605) 773-3153

1.0	General Information:
1.01	Landowner Information: (ARSD 74:27:09:03) Name: Mailing Address: City, Zip Code: Telephone Number:
1.02	Operator Information: (ARSD 74:27:09:03) Name: Mailing Address: City, Zip Code: Telephone Number:
1.03	Applicant/Permit Holder Information: (ARSD 74:27:09:03) Name: Mailing Address: City, Zip Code: Telephone Number:
1.04	Lien Holder of Public Record: (ARSD 74:27:09:03) Name: Mailing Address: City, Zip Code: Telephone Number:
1.05	Legal description of facility (quarter-quarter, section, township, range, county; if subdivided, indicate lots and subdivision): (ARSD 74:27:09:03).
1.06	Location from nearest municipality: (ARSD 74:27:09:03)
1.07	Type of facility (ARSD 74:27:09:03): LandfillIndustrialMonofill (specify)Other (specify)
1 08	Estimated annual tonnage: (ARSD 74:27:09:03)

1.09	Type(s) of waste: (check all that apply) (ARSD 74:27:09:03)
	Rubble
1.10	Sources of waste: (ARSD 74:27:09:03)
1.11	Population served by facility: (ARSD 74:27:09:03)
1.12	Are there specific applicable local zoning ordinances which restrict the proposed activity? (ARSD 74:27:08:04) yes no (Attach letter of zoning approval or letter stating there are no ordinances or conditional use permits required.)
1.13	Attach statement of resolution by county for approval of this facility. (ARSD 74:27:09:03)
1.14	Attach documentation that all adjacent landowners to the proposed facility, according to tax records, have been notified by a certified letter that a solid waste application has been filed. (ARSD 74:27:09:02)
1.15	Attach a description of local concerns including summaries of general comments, questions, proceedings of public meetings, and any other environmental reviews. (ARSD 74:27:09:03)
1.16	Are other state/local permits required? (ARSD 74:27:08:04 & 74:27:09:03) yes no
	If yes, describe permits and their status
1.17	Anticipated start-up date of construction: (ARSD 74:27:09:03)
1.18	Anticipated start-up date of operation: (ARSD 74:27:09:03)
2.0 D	esign Information
2.01	Attach a general description of the type of design, including ground water and surface water protection features, leachate minimization features, and estimated impacts to surface waters and ground waters. (ARSD 74:27:09:03)
2.02	Describe in an attachment how the facility meets the design and construction requirements of ARSD 74:27:12, including a copy of the construction quality assurance plan. (ARSD 74:27:09:03 & 74:27:12:22)

- 2.03 Describe in an attachment the design methods, design assumptions, data, calculations, and descriptions addressing: (ARSD 74:27:09:03)
 - a) Sources, types, and amounts by weight and volume of solid waste received both monthly and annually
 - b) Projected life of facility
 - c) Life expectancy of landfill units, special waste management areas, and a timetable for fill progression
 - d) Volume of cover required for liner, daily cover and closure
 - e) Water usage and source
 - f) Sedimentation and erosion control plan
 - g) Sizing for pumps, piping, ditches, culverts, ponds, etc.
- 2.04 Describe the technical details for all aspects of the facility design, including: (ARSD 74:27:09:03 & 74:27:12)
 - a) Existing grade, excavation grade, and final grade
 - b) Surface and subsurface drainage controls
 - c) Well logs and ground water monitoring well completion details
 - d) Progressive development of trenches or area fills
 - e) Cover material stockpile locations
 - f) Surface water quality monitoring system
 - g) Trenches and fill areas including special waste areas
 - h) Borrow and fill areas
 - i) Cross-sections of the lowest point in the lowest cell relating to ground water elevation
 - j) Roads
 - k) Perimeter fencing
 - Access control
 - m) Litter fence placements
 - n) Facility boundary and buffer zone
 - o) Facility buildings for equipment and personnel
 - p) Liners
 - q) Ground water monitoring locations
 - r) Leachate collection, removal and treatment systems
 - s) Methane gas monitoring system
- 2.05 Describe in an attachment miscellaneous information, including a table of the capacity and purpose for each piece of equipment required to operate the facility as designed. (ARSD 74:27:09:03 & 74:27:13:12)
- 2.06 Include the calculations performed to determine the potential for leachate generation at the site. (ARSD 74:27:12:18)

3.0 Site Information

3.01 Attach copies of written correspondence received from contacts on the enclosed permit information sources sheet. This must include environmental statements from the following agencies stating that the establishment of a solid waste disposal facility will not adversely impact threatened or endangered species or wetlands (provide them with a map showing exactly where the site is located): John Kirk Department of Game, Fish and Parks Joe Foss Building 523 East Capitol Avenue Pierre. South Dakota 57501 (605) 773-3387 John Miller Department of Environment and Natural Resources - Surface Water Quality Program Joe Foss Building 523 East Capitol Avenue Pierre. South Dakota 57501 (605) 773-3351 Pete Gober or Scott Larson U.S. Department of the Interior - Fish and Wildlife Service 420 South Garfield Pierre, South Dakota 57501 (605) 224-8693 3.02 Is the facility within 5,000 feet of any airport runway end used by piston-type aircraft only, or within 10,000 feet of any airport runway end used by turbojet aircraft? (ARSD 74:27:11:04) Attach copy of written correspondence sent to the Federal Aviation Administration if the facility is within five miles of a public airport. (ARSD 74:27:11:04) 3.03 Is the site within 1,000 feet of: (ARSD 74:27:11:05 & 74:27:11:06) a) Any occupied dwelling? yes____ no___ b) Any interstate or primary highway? yes____ no____
c) Any park/recreation area? yes___ no____
d) Any classified surface water? yes___ no____ If yes, describe distance(s) and direction(s) from the boundaries of the facility. Attach additional sheet if necessary. _____ Is the site located in: (ARSD 74:27:11:03, 74:27:11:07, & 74:27:11:08) a) A wetland? yes____ no____ b) A gravel pit or quarry? yes____ no____ c) An unstable area? yes____ no____ d) A seismic impact zone? yes____ no__ e) A fault area? yes____ no____ f) A 100-year floodplain? yes____ no___ Facility size (acres): (ARSD 74:27:12:03) a) Permitted area____

 b) Active disposal area____ 3.04 c) Other operational areas

data. (ARSD 74:27:12:03)

3.05

Describe the average climactic data and local wind patterns, including the source and location of the

3.06	Describe the current land use and zoning within a one-mile radius. (ARSD 74:27:12:03)
3.07	List the occupied dwellings within a one-mile radius. (ARSD 74:27:12:03)
3.08	Describe the water usage, including sources of water and well depths, within a one-mile radius. (ARSD 74:27:12:03)
3.09	List surface waters and their classifications, including wetlands, within a one-mile radius. (ARSD 74:27:12:03)
3.10	Describe the general topography and drainage patterns within a two-mile radius. (ARSD 74:27:12:03)
3.11	Describe the existing site information, its source, reliability, and extent. (ARSD 74:27:12:03)
3.12	Describe in an attachment the soil and geologic conditions at the site, including soil types and characteristics, thickness of unconsolidated material, lithologic profile, fracture patterns, unstable areas, seismic impact zones and fault areas. (ARSD 74:27:12:03)
3.13	Describe in an attachment the hydrogeologic conditions at the site including depth of ground water; saturated extent of potentially impacted aquifers; potential for ground water use for domestic water supplies, livestock watering, and irrigation purposes; and horizontal and vertical flow rate, flow gradient, and ambient quality of ground water. (ARSD 74:27:12:03)

4.0 Maps

- 4.01 Attach a United States Geological Survey 7.5 minute quadrangle topographical map of the site area with the facility boundary indicated. (ARSD 74:27:09:03)
- 4.02 Attach an existing conditions map(s) of the area showing: (ARSD 74:27:09:03)
 - a) Section, township, and range (PLAT)
 - b) Land use and zoning within one mile from all boundaries of the site
 - c) Land and mineral ownership of permitted site
 - d) All occupied dwellings within one mile from all boundaries of the site
 - e) Roads
 - f) Surface water
 - g) Ground water wells
 - h) All other existing and man-made features
 - i) Facility layout and boundaries
 - j) 100-year floodplain
 - k) Wetlands
- 4.03 Attach a contour map of the shallowest occurrences of ground water, and of any other ground water surface of concern, showing the ground water monitoring locations and disposal areas. (ARSD 74:27:09:03)
- 4.04 Attach site maps showing the locations of soil borings, piezometers, soil tests, existing wells, monitoring wells, and other information completed or obtained for the site characterization required by ARSD 74:27:12:03.

5.0 Operational Information

- 5.01 Attach an operations plan that addresses each of the requirements in ARSD 74:27:13, including the sources and amounts of special wastes to be handled. A copy of the recordkeeping log to be used, a copy of the emergency response and remedial action plan, a description of waste screening methods, a description of the personnel training plan, and a description of leachate management practices must be included with the operational plan.
- 5.02 Describe miscellaneous information including: (ARSD 74:27:09:03)
 - a) Fees and collection methods
 - b) Volume reduction methods used at the site
 - c) Dust control methods
- 5.03 Attach a ground water monitoring plan as required by ARSD 74:27:19.
- 6.0 Describe in an attachment the closure/postclosure plans required by ARSD 74:27:15.
- 7.0 Include financial assurance information required by ARSD 74:27:16.
- **Application Fees:** Attach the appropriate fee with the application. The application fee is based on the tonnage of solid waste received by the facility per year. (ARSD 74:27:08:02 & 74:27:08:03)

Type I - More than 150,000 tons per year	\$5,000.
Type IIA - 25,000 to 149,999 tons per year	.\$ 500.
Type IIB - 5,000 to 24,999 tons per year	
Type III - 500 to 4,999 tons per year	.\$ 250.
Type IV - Less than 500 tons per year	.No fee

9.0 Signatures

This application is submitted in accordance with the provisions of the South Dakota Solid Waste Rules, ARSD 74:27:09. By signing this permit application, the signatory acknowledges that they have read and understand the information contained in the foregoing application and attachments, and to the best of their knowledge, the information is true and accurate.

Landowner's Signature	Date
Operator's Signature	Date
Supervising Engineer's Signature	Date
Lien Holder's Signature	 Date

Department of Environment and Natural Resources Waste Management Program Joe Foss Building 523 East Capitol Pierre, SD 57501-3182

Telephone: (605) 773-3153

STATE OF SOUTH DAKOTA BEFORE THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

IN THE MATT APPLICATION	N OF)	CERTIFICATION OF APPLICANT
STATE OF)	
COUNTY OF)	SS
I,upon oath herel	, the appropriate the following information in r	pplican egard t	t in the above matter after being duly sworn o this application:
(A) South	Dakota Codified Laws Section 1-40-2	7 provi	des:
application by			ed pursuant to Titles 34A or 45, including any for authorization to operate under a general
upon a finding			form the obligations of a permit holder based er or resident general manager of the facility
(a)	Has intentionally misrepresented a mat	terial fa	ect in applying for a permit;
(b)	Has been convicted of a felony or other	r crime	involving moral turpitude;
(c)	Has habitually and intentionally viola States which have caused significant at		vironmental laws of any state or the United erial environmental damage;
(d)	Has had any permit revoked under t States; or	the env	vironmental laws of any state or the United
(e)		good cl	and convincing evidence of previous actions haracter and competency to reliably carry out nit holder; or

deficiencies that served as the basis for the denial in the original application.

(2) The application substantially duplicates an application by the same applicant denied within the

past five years which denial has not been reversed by a court of competent jurisdiction. Nothing in this subdivision may be construed to prohibit an applicant from submitting a new application for a permit previously denied, if the new application represents a good faith attempt by the applicant to correct the

All applications filed pursuant to Titles 34A and 45 shall include a certification, sworn to under oath and signed by the applicant, that he is not disqualified by reason of this section from obtaining a permit. In the absence of evidence to the contrary, that certification shall constitute a prima facie showing of the suitability and qualification of the applicant. If at any point in the application review, recommendation or hearing process, the secretary finds the applicant has intentionally made any material misrepresentation of fact in regard to this certification, consideration of the application may be suspended and the application may be rejected as provided for under this section.

Applications rejected pursuant to this section constitute final agency action upon that application and may be appealed to circuit court as provided for under chapter 1-26.

(B) South Dakota Codified Law Section 34A-6-1.10 provides:

"Responsibility and liability of owner or operator. The owner or operator of a solid waste disposal facility that is regulated under 34A-6-1.1 to 34A-6-1.38, inclusive, is responsible in perpetuity for the solid waste and liable in perpetuity for any pollution or other detrimental effect caused by the solid waste. No person may dispose of solid waste other than mine wastes in this state until the owner or operator of the solid waste disposal facility executes an agreement with the board acknowledging such perpetual responsibility and liability for the solid waste."

Pursuant to SDCL 1-40-27, I certify that I have read the forgoing provision of state law, and that I am not disqualified by reason of that provision from obtaining the permit for which application has been made. In addition, pursuant to SDCL 34A-6-1.10, I hereby agree to and accept perpetual responsibility and liability for the solid waste disposal at this facility.

Dated this	day of	20	
Applicant			
Subscribed ar	nd sworn before me this	day of	20
Notary Public	<u> </u>		
My commissi	on expires:		
(SEA	L)		

PLEASE ATTACH SHEET DISCLOSING ALL FACTS PERTAINING TO SDCL 1-40-27 (1) (a) THROUGH (e).

ALL VIOLATIONS MUST BE DISCLOSED, BUT WILL NOT AUTOMATICALLY RESULT IN THE REJECTION OF AN APPLICATION

STATE OF SOUTH DAKOTA BEFORE THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

APPLICATION OF STATE OF COUNTY OF) CERTIFICATION OF) APPLICANT (SDCL 34A-6-74)
STATE OF) SS
COUNTY OF	,
	the of in the above matter,
A.) The applicant has completed or is otherwirecycling plan prepared pursuant to SDCL 34A-6	
B.) The applicant has documented compliance to SDCL 34A-6-76.	e with the source reduction and recycling plan pursuant
Pursuant to SDCL 34A-6-76, I hereby certify that compliance with both sections.	t I have read SDCL 34A-6-74 and 34A-6-76 and I am in
Dated thisday of20	
Applicant	

ADJACENT LANDOWNERS NOTIFICATION

ARSD 74:27:09:02 states "... the applicant must notify by certified mail all adjacent landowners of record, according to property tax roles, that an application has been filed." This is an example form letter that you may use to comply with this section of the regulations. You will need to submit a copy of the return receipt and the letter with your application.

Date		
Addre	act Name ress State Zip Code	CERTIFIED Return Receipt Requested
Re: ((1) solid waste permit applicati	on
Dear (Contact Name:	
Depar constr	artment of Environment and Natural Reservation and operation of a (3) t) is filing a solid waste permit application with the South Dakota ources on or before (2). This application is for the facility located in the (4). Notification is being given to all the proposed facility location in accordance with ARSD 74:27:09:02.
If you	u have any questions, please contact me	at (<u>5</u>).
Sincer	erely	
(6	<u> </u>	
(1)	The name of the city, district, associ	ation, or entity for which the application is being made.
(2)	The estimated date the application w	vill be submitted to the DENR.
(3)	The type of proposed facility for wh landfarm, municipal solid waste.	ich you need a permit. Example: restricted use,
(4)	The legal description of the proposed Section 12, Township 7 North, Rang	d solid waste facility. <i>Example:</i> NW 1/4 NE 1/4 of ge 2 West, Haakon County
(5)	A telephone number at which you ca	an be reached for more information.
(6)	Your name (title).	

INFORMATION SOURCES (November 2001)

A. Flood Plain Information

- U.S. Army Corps of Engineers 106 S. 15th Street Omaha, NE 68102-1618 Randall Behm, Chief (402) 221-4596
- Federal Emergency Management Agency (FEMA)
 Flood Map Service Center
 PO Box 1038
 Jessup, MD 20794-1038 1-800-358-9616
- 3. Contact County Government where located.
- 4. Division of Emergency Management (605) 773-3231
- Planning & Development Districts: Watertown (605) 882-5115 Aberdeen (605) 626-2595 Sioux Falls (605) 367-5390 Yankton (605) 665-4408 Rapid City (605) 394-2681

B. Wetlands Information

- U.S. Department of the Interior
 Fish & Wildlife Service
 420 S. Garfield
 Pierre, SD 57501 Scott Larson (605) 224-8693
- 2. Contact local NRCS office

C. USGS Topographic Map Information

- 1. Contact local NRCS office
- USGS Map Sales 1-888-275-8747
 Box 25286
 Denver, CO 80225
- 3. Planning & Development Districts

D. Airport Safety Information

Federal Aviation Administration
 Bismarck Airports District Office
 2301 University Drive Bldg 23B
 Bismarck, ND 58504
 Phone: (701) 323-7380
 Fax: (701) 323-7399

2. SD Department of Transportation Office of Aeronautics 700 Broadway Avenue East Pierre, SD 57501-2568 Phone: (605) 773-5037 Fax: (605) 773-3921

E. Geological & Ground Water Information

- 1. Contact local NRCS office
- SD Geological Survey
 USD Science Center
 Vermillion, SD 57069-2390
 Phone: (605) 677-5227
- US Geological Survey
 Water Resources Division
 1608 Mountain View Road
 Rapid City, SD 57702
- 4. Contact local well driller(s)

F. Soil Classification Information

1. Contact local NRCS office

G. Surface Water/Wetlands

- Dept. of Environment and Natural Resources 523 East Capitol - Joe Foss Bldg. Pierre, SD 57501-3182 John Miller - (605) 773-3351 Also for 401 Certification
- Resource Conservation and Forestry Division Phone: (605) 773-3623
 Note: For informational purposes only.
- 3. Game, Fish & Parks
 523 East Capitol Joe Foss Bldg.
 Pierre, SD 57501-3182
 John Kirk (605) 773-3387
 - Bureau of Reclamation PO Box 226 Newell, South Dakota 57760 (605) 456-2695 For Black Hills area
 - US Army Corps of Engineers
 Pierre Regulatory Office
 Oahe Dam Admin Building
 P.O. Box 1117
 Pierre, South Dakota 57501
 Phone: (605) 224-8531 Fax: (605) 224-5945
 For 404 Permitting

For additional information call the Waste Management Program at (605) 773-3153

^{*}These people must be contacted for all permits.

ENVIRONMENTAL CONTACTS

This is an example form letter which you may want to use when contacting the agencies marked with an asterisk on the <u>PERMIT INFORMATION SOURCES</u> sheet. These contacts must be made for all solid waste permits.

Date
Contact Name Contact Agency Address City, State Zip Code
Dear Contact Name:
The(1) is applying for a solid waste permit to construct and operate a(2) facility. This facility will be located on the(3), South Dakota.
A National Wetlands Inventory map, if available, and your comments regarding endangered species, their habitat, wetlands, and general impacts to fish and wildlife resources are requested for the above referenced site.
Thank you for your prompt response. If you have any questions, please contact(4) at(5)
Sincerely,
(4)
(1) - The name of the City, District, Association or entity for which the application is being made. <i>Example:</i> City of Edgemont
(2) - The type of facility for which you need a permit. Example: restricted use
(3) - The legal description of the proposed solid waste facility. <i>Example:</i> NW 1/4 NE 1/4 of Section 12, Township 7 North, Range 2 West, Haakon County
(4) - Your name
(5) - A telephone number at which you can be reached for more information.

EXAMPLE OF COUNTY RESOLUTION

Resolution No
County Commission
WHEREAS, (Company or City) desires to establish a (type & kind) facility for the purpose of solid waste management; and
WHEREAS, the (City, if applicable) has approved siting the proposed facility; and
WHEREAS, the siting of this proposed facility is not in conflict with any established zoning laws or ordinances; and
WHEREAS, (Company or City) has (or will) file(d) a solid waste application with the South Dakota Department of Environment and Natural Resources (DENR); and
WHEREAS, DENR has (or will) review(ed) that application to determine that the facility can be operated within the South Dakota laws and regulations; and
WHEREAS, DENR has (or will or may) recommended the approval of the permit with conditions adequate to safeguard the environment; and
WHEREAS, the Board of Minerals and Environment will review, modify, approve, or deny the permit if the tentative recommendations and/or conditions of the permit are contested by any interested party; and
WHEREAS, the County Commission of County is required by South Dakota law SDCL 34A-6-103 to approve of a solid waste facility prior to the issuance of a solid waste permit;
TIS THEREFORE RESOLVED that the County Commission of County hereby approves construction and operation of the proposed facility to be operated under the terms of a solid waste permit to be issued by the Board of Minerals and Environment.
APPROVED this day of 20 by the County Commission in regular session at
Signed
Signed County Clerk